

Revision of Quality Assurance Standard Review Plans



**Office of Nuclear Reactor Regulation
Plant Support Branch
Lead Branch
Paul Prescott
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Consolidation of Quality Assurance Program Requirements



- **SRP 17.1, “Quality Assurance During the Design and Construction Phases”**
- **SRP 17.2, “Quality Assurance During the Operations Phase”**
- **SRP 17.3, “Quality Assurance Program Description”**



New SRP 17.1-3, “Quality Assurance Program Description”

- **Will include the latest NRC-approved guidance**
- **NQA-1/1994**
- **Review of approvals via safety evaluation reports through the 50.54(a) process**
- **NMC and Exelon approved QATRs**



Operational Review

- **Offsite/Onsite Reviews and ISEG would be addressed in an updated SRP 13.4, "Operational Review"**



SRP 17.1-3 would reference, but not include details on:

- **ANSI N45.2.1- “Cleaning of Fluid Systems Associated Components During the Construction Phase of NPPs” (RG 1.37)**
- **ANSI N45.2.2 - “Packaging, Shipping, Receiving, Storage, and Handling of Items for NPPs During Construction Phase” (RG 1.38)**
- **ANSI N45.2.3 - “Housekeeping During the Construction Phase of NPPs” (RG 1.39)**



SRP 17.1-3 would reference, but not include details on: (cont'd)

- **ANSI N45.2.5, “Supplementary QA Requirements for Installation, Inspection, and Testing of Structural Steel During the Construction Phase of NPPs (RG 1.94)**
- **ANSI N45.2.8, “Supplementary QA Requirements for Installation, Inspection, and Testing of Mechanical Equipment and Systems” (RG 1.116)**



Areas under review for deletion/addition to SRP 17.1-3

- **Qualification of NDE personnel
(ASME Section III endorses SN-TC-1A and
CP-189; ASME Section XI endorses CP-189)**
- **Requirements for computer software design,
control, verification and validation (RG 1.168)**
- **Commercial Grade Dedication**
- **Graded Quality Assurance (RG 1.176)**
- **Electronic Records (RIS 2000-18)**



Coverage of Commercial Grade Dedication

- **NRC conditionally endorsed EPRI 5652, “Guideline for the Utilization of Commercial Grade Items in Nuclear Safety-Related Applications”**
- **Modified guidance from Generic Letters 89-02 and 91-05**
 - Acceptance Method 2, Commercial Grade Survey of Supplier
 - Acceptance Method 4, Acceptable Supplier/Item Performance Record
 - Inspection Procedure 38703



Other SRPs under review for updating include:

- **SRP 13.4, “Operational Review”**
- **SRP 13.5.1.2, “Administrative Procedures”**
- **SRP 13.5.2.2, “Maintenance and Other Procedures”**
- **SRP 14.2, “Initial Test Program/FSAR”**
- **SRP 14.3.10, Initial Test Program and DRAP**
- **New SRP for Maintenance Rule Program**



10 CFR 50.34(h) - Conformance with Standard Review Plan (SRP)

- **Application must include evaluation of facility against the SRP**
- **Evaluation must identify, describe and justify alternatives to the SRP**
- **NRC SER must approve alternatives to the SRP**



NRR Office Instruction LIC-200, “Standard Review Plan Process”

- **Responsible Division Prepares SRP**
- **Concurrences (other Division offices, OGC, ACRS, CRGR)**
- **Obtain Public Comment**
- **Address Public Comments**
- **Final Review and Concurrence**
- **Issue SRP**



Update of 17.4, “Reliability Assurance Program”

- **Include lessons learned from review of Design Certifications**
- **Conform with the new format specified in LIC 200**
- **Eliminate redundancy**
- **Clarify acceptance criteria**
- **Provide additional guidance for Regulatory Treatment of Non-Safety-Related Systems**